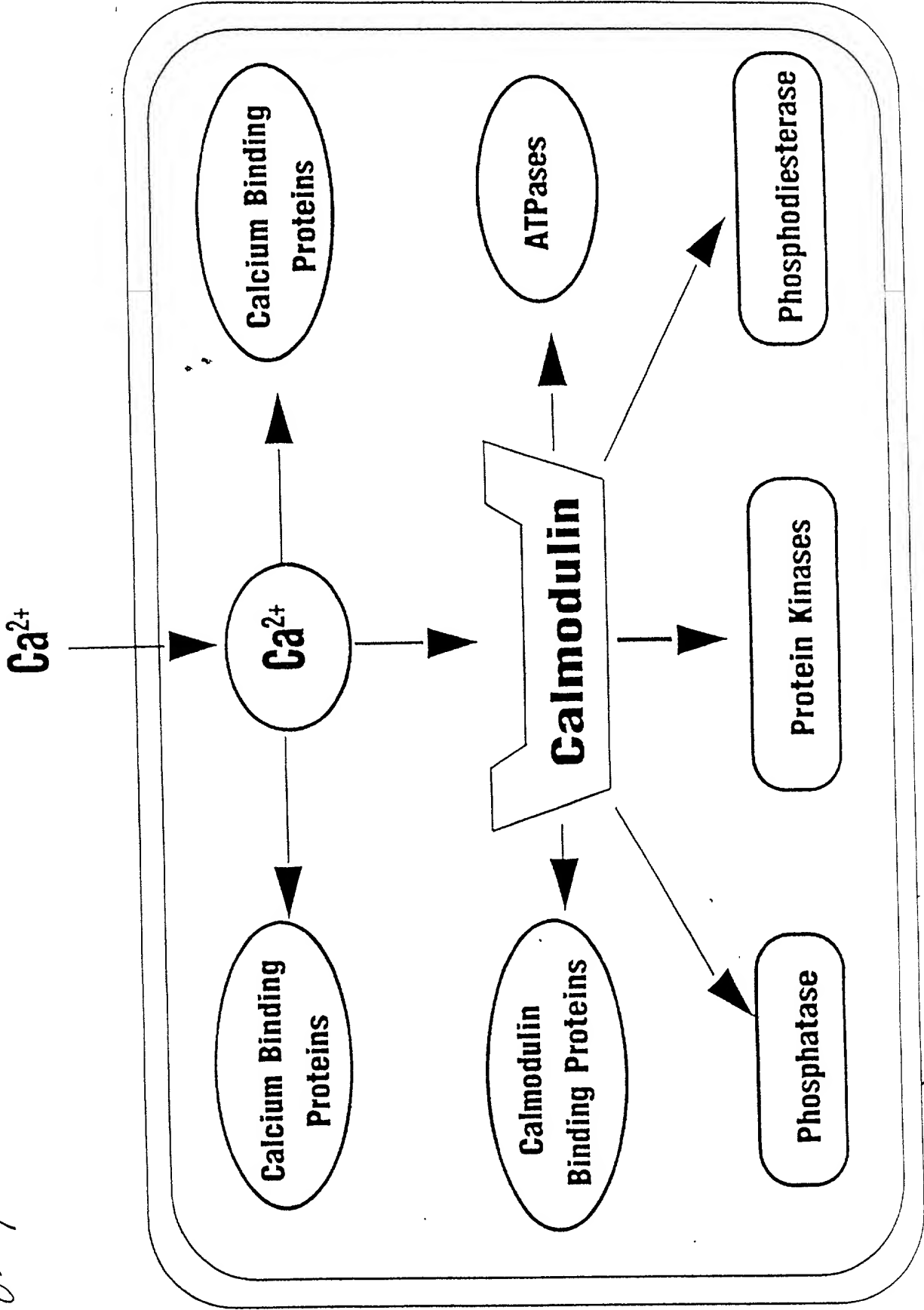


Fig. 1



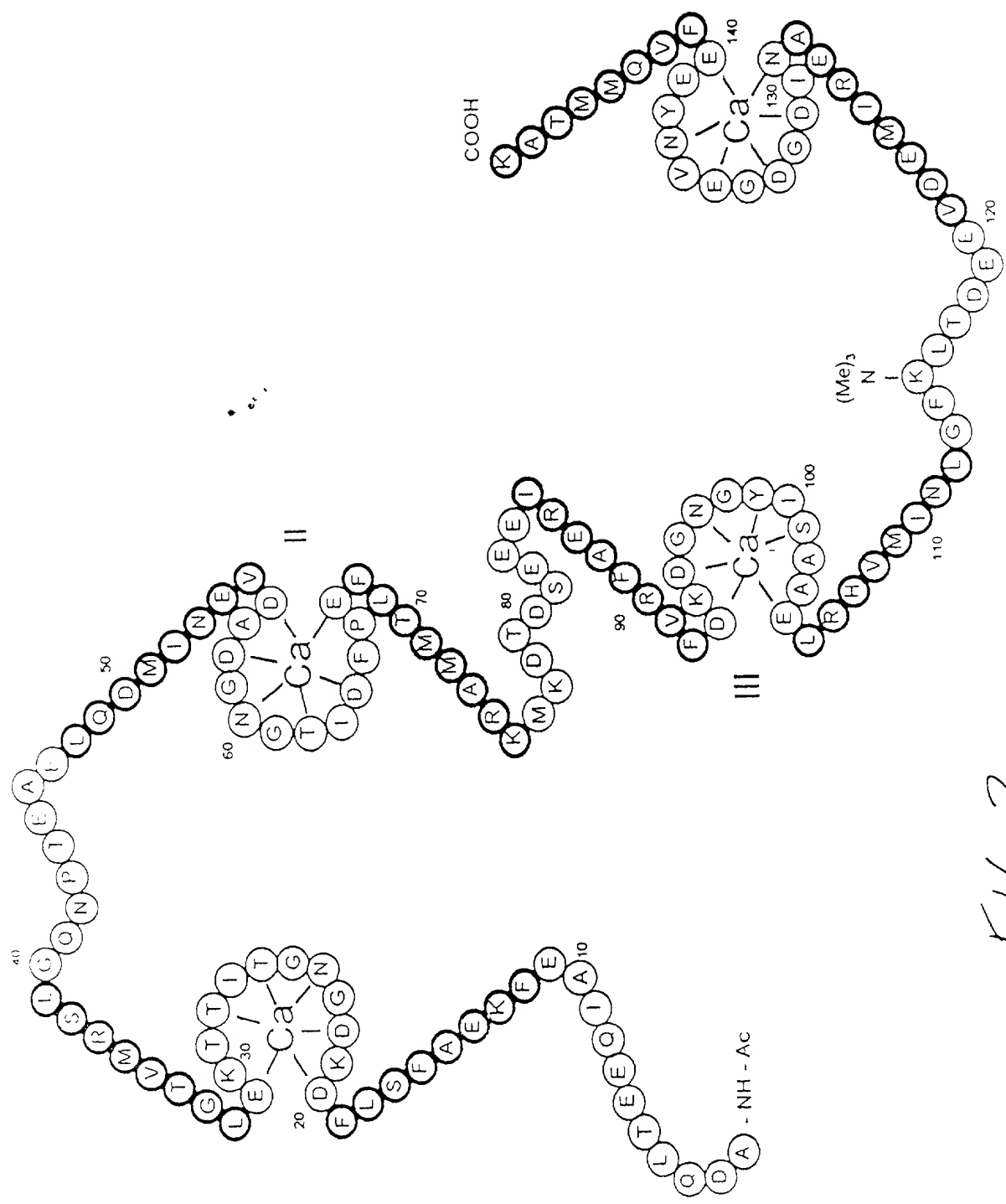


Fig. 2

Downloaded from www.sciencedirect.com

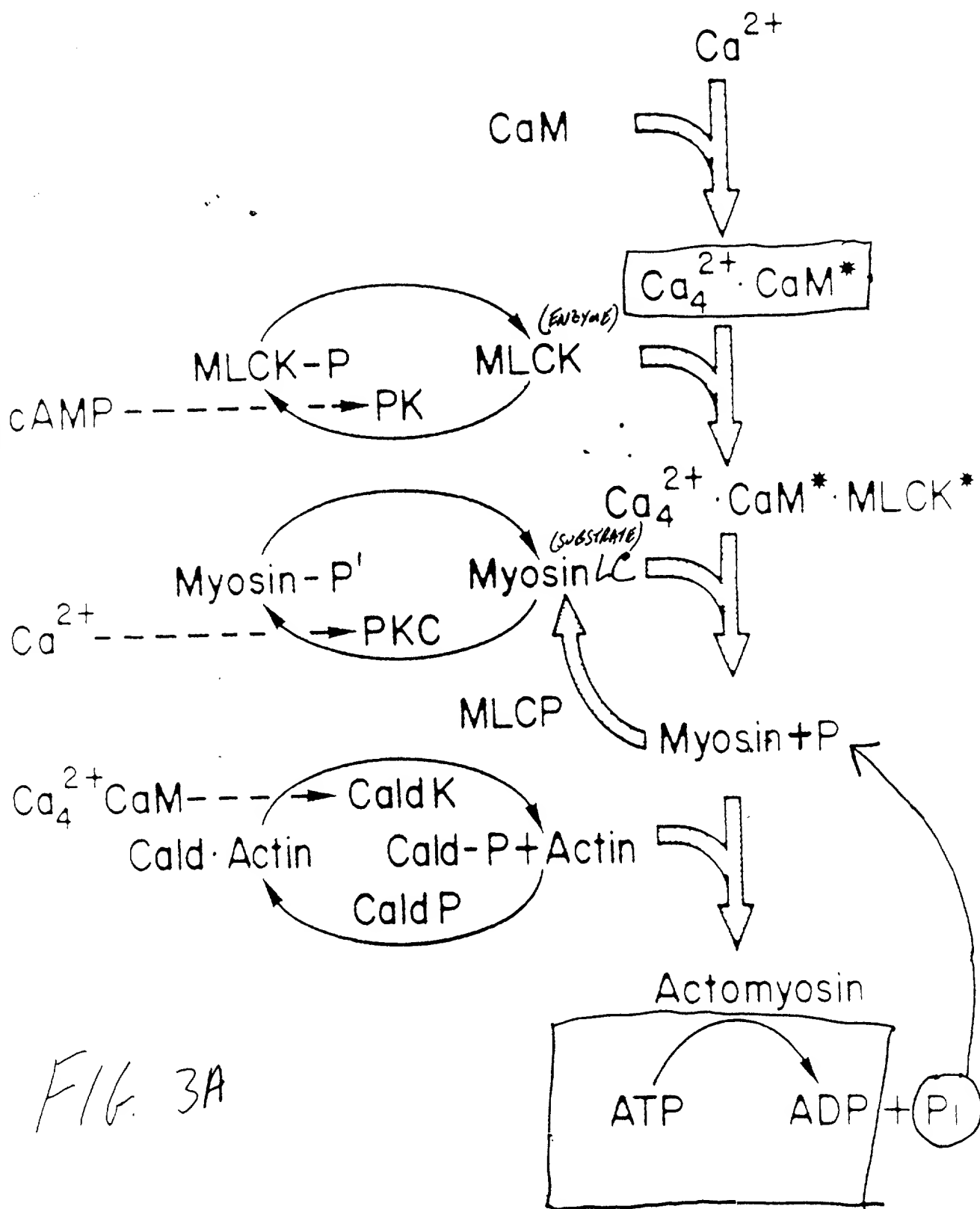


FIG. 3A

FIG. 3B

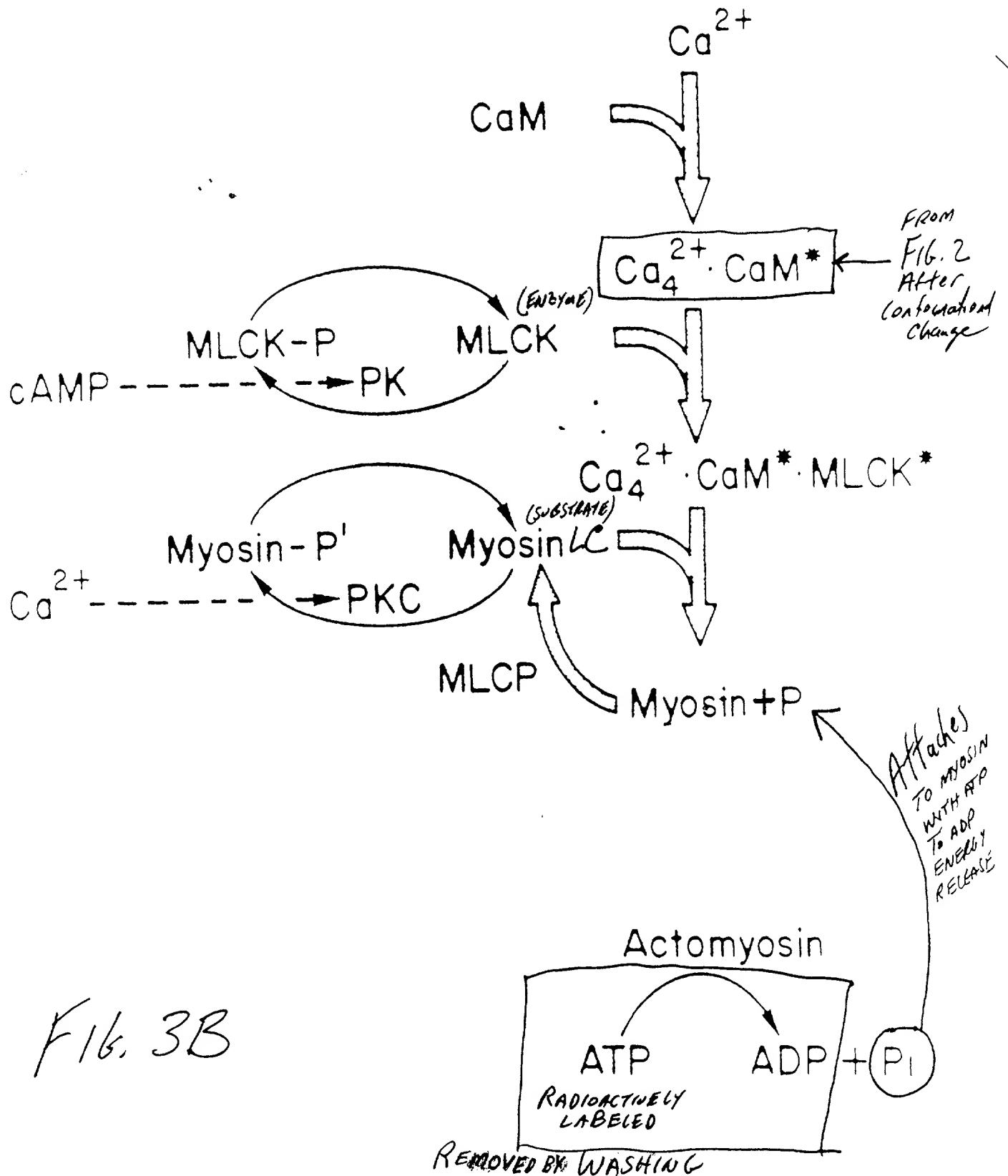


Figure 1 is a line graph showing the time course of ^{32}P -ATP incorporation into vesicles. The y-axis is labeled "mean cpm $^{32}\text{P} \times 10^{-3}$ " and ranges from 0 to 9. The x-axis is labeled "Time/min" and ranges from 0 to 16. Data points with error bars are plotted at 1, 2, 3, 4, 5, 6, 10, and 15 minutes. A dashed line represents a linear fit to the initial data points, which levels off after 6 minutes. Text in the graph indicates $\text{Ca}^{2+} = 2.5 \mu\text{M}$ and 37°C .

Time/min	mean cpm $^{32}\text{P} \times 10^{-3}$
1	1.2
2	2.9
3	3.9
4	4.9
5	5.7
6	6.7
10	7.5
15	7.7

FIG. 3C

Dependence of CD31 staining

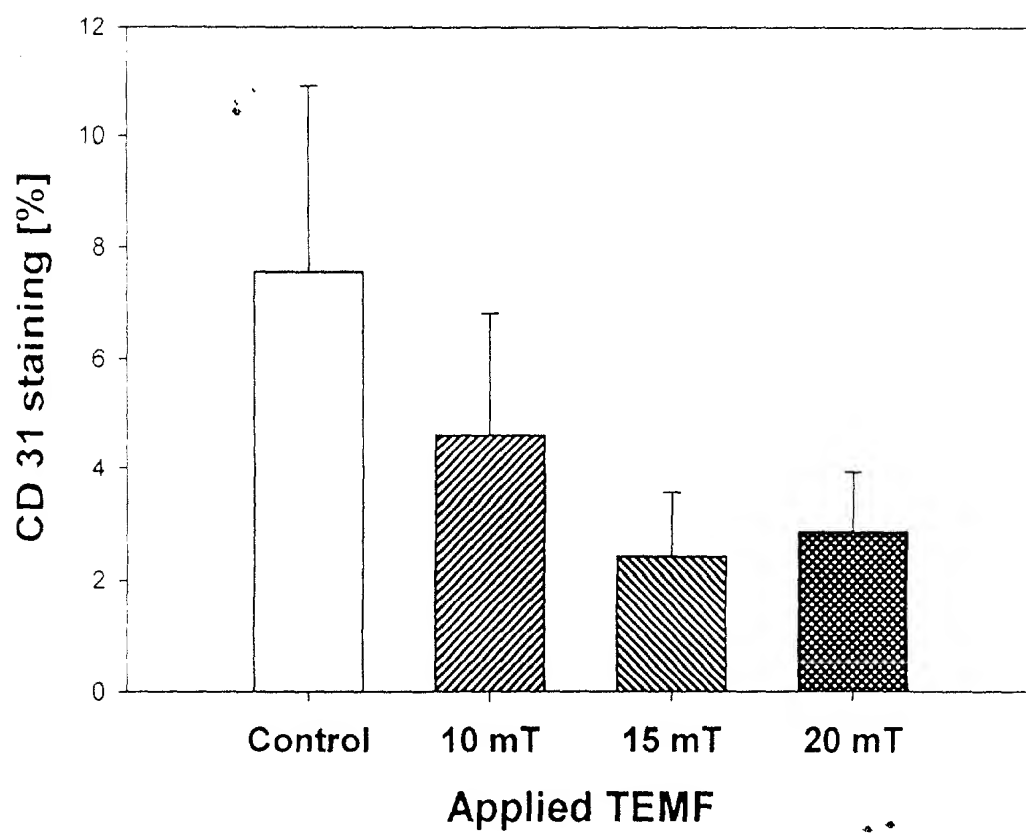


FIG. 4

**Decrease in CD31 staining
as response to applied TEMF
[% vs.control]**

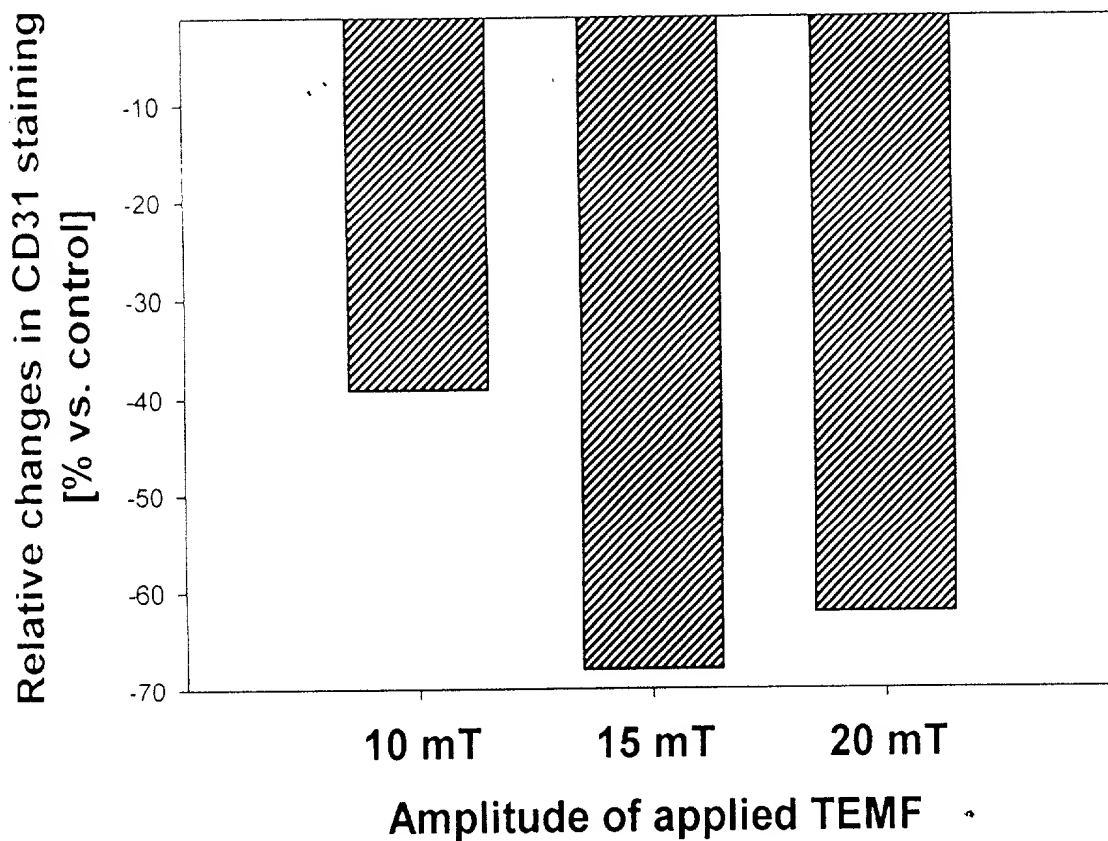


FIG. 5

Myosin Phosphorylation as Function of Applied Static Magnetic Field

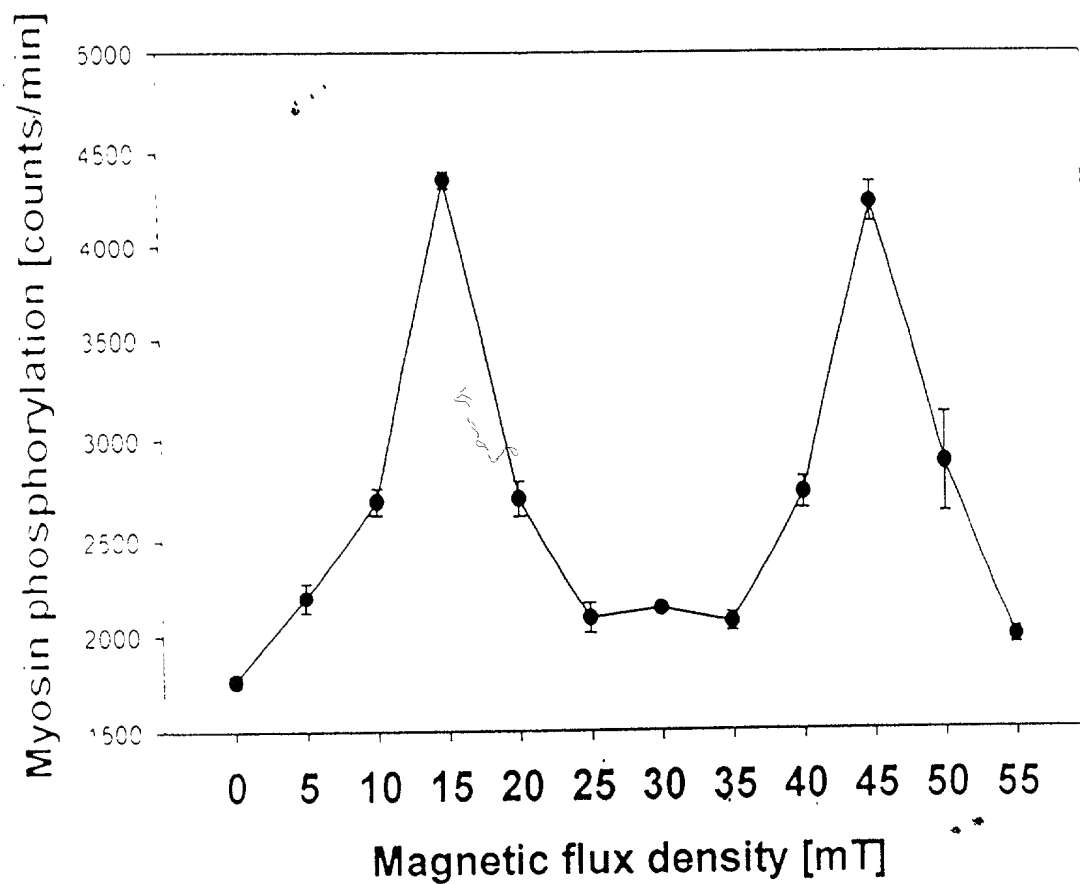


FIG. 6

Effects of Constant Magnetic fields (CMF) and Pulsating Magnetic Fields (TEMF) on Myosin Phosphorylation

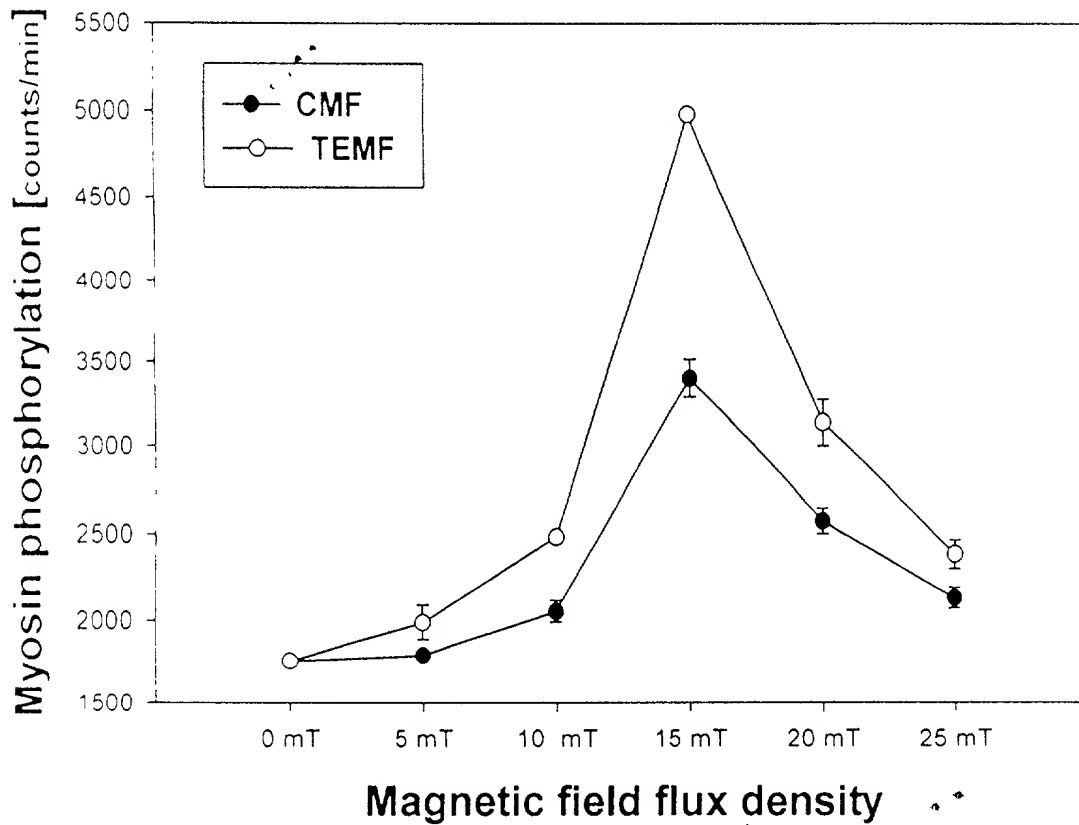


FIG. 7

**Dependence of myosin phosphorylation
on frequency of TEMF at B=15 mT
Average of 7 experiments**

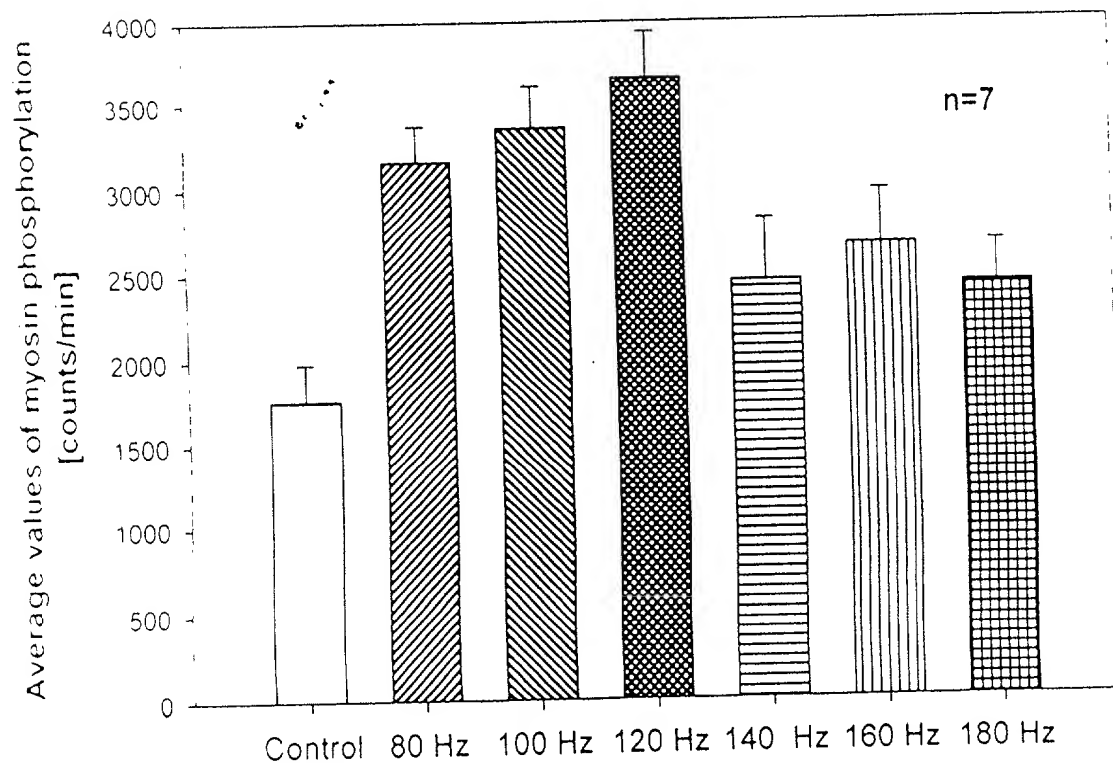


FIG. 8

Effect of exposure to 15 mT at various frequencies

Relative changes of myosin phosphorylation
experiments vs. control [%]

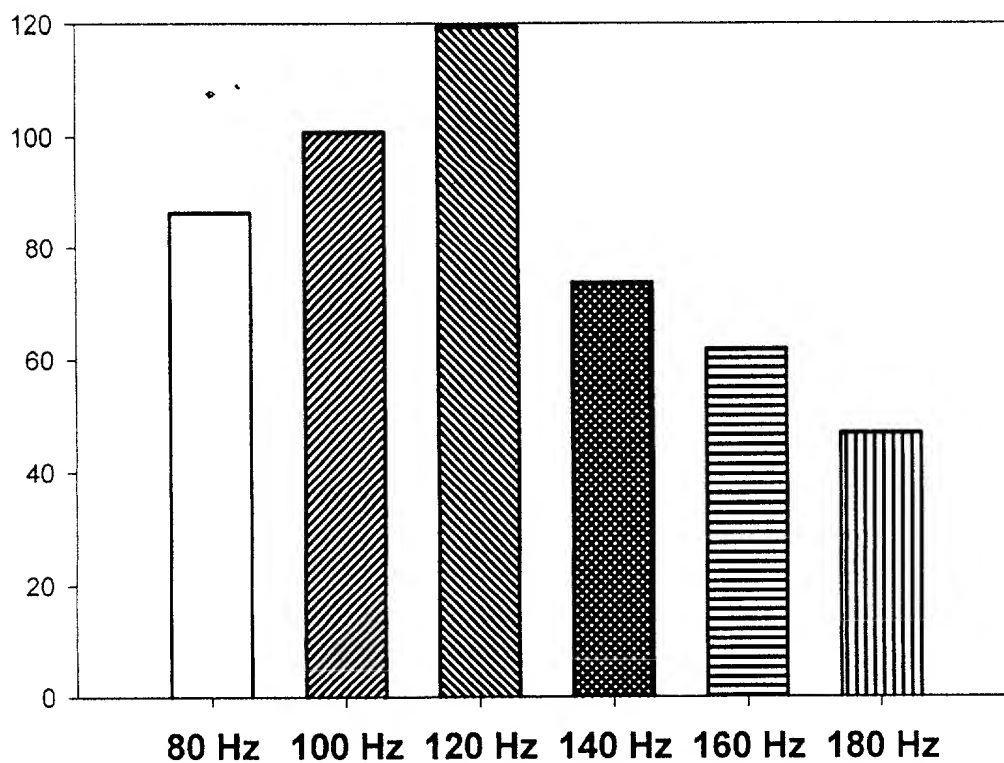


FIG. 9

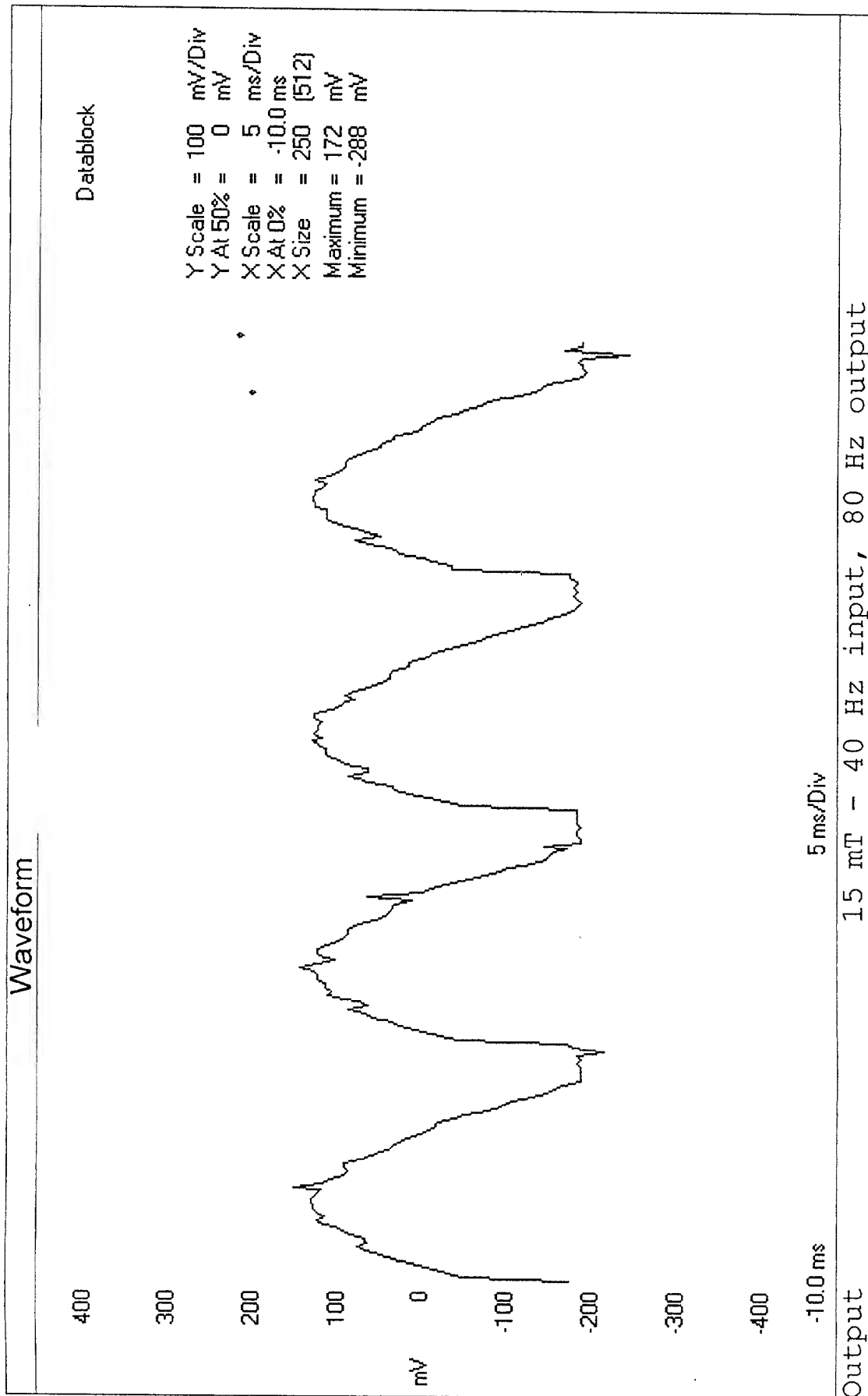


FIG. 10

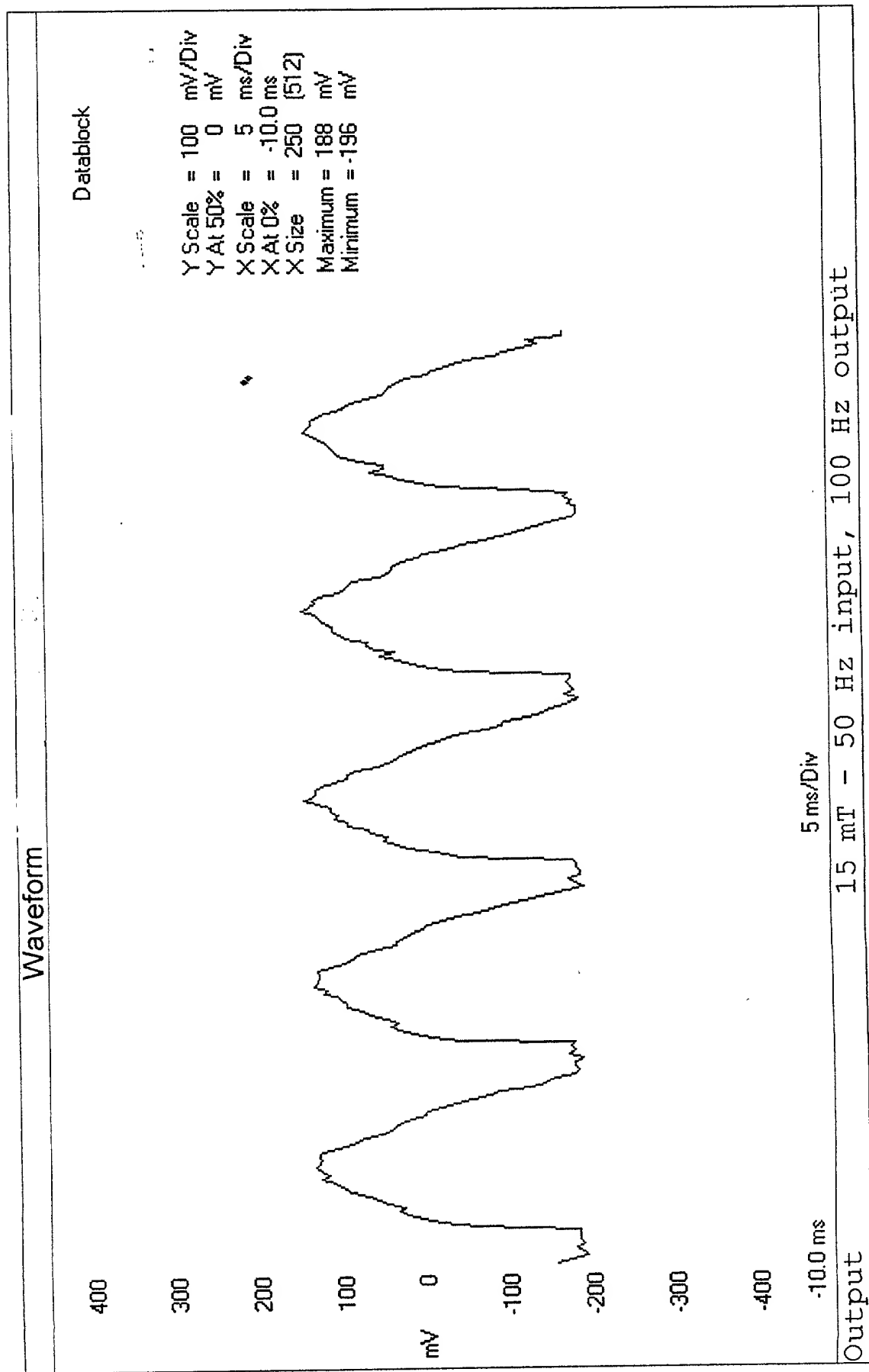
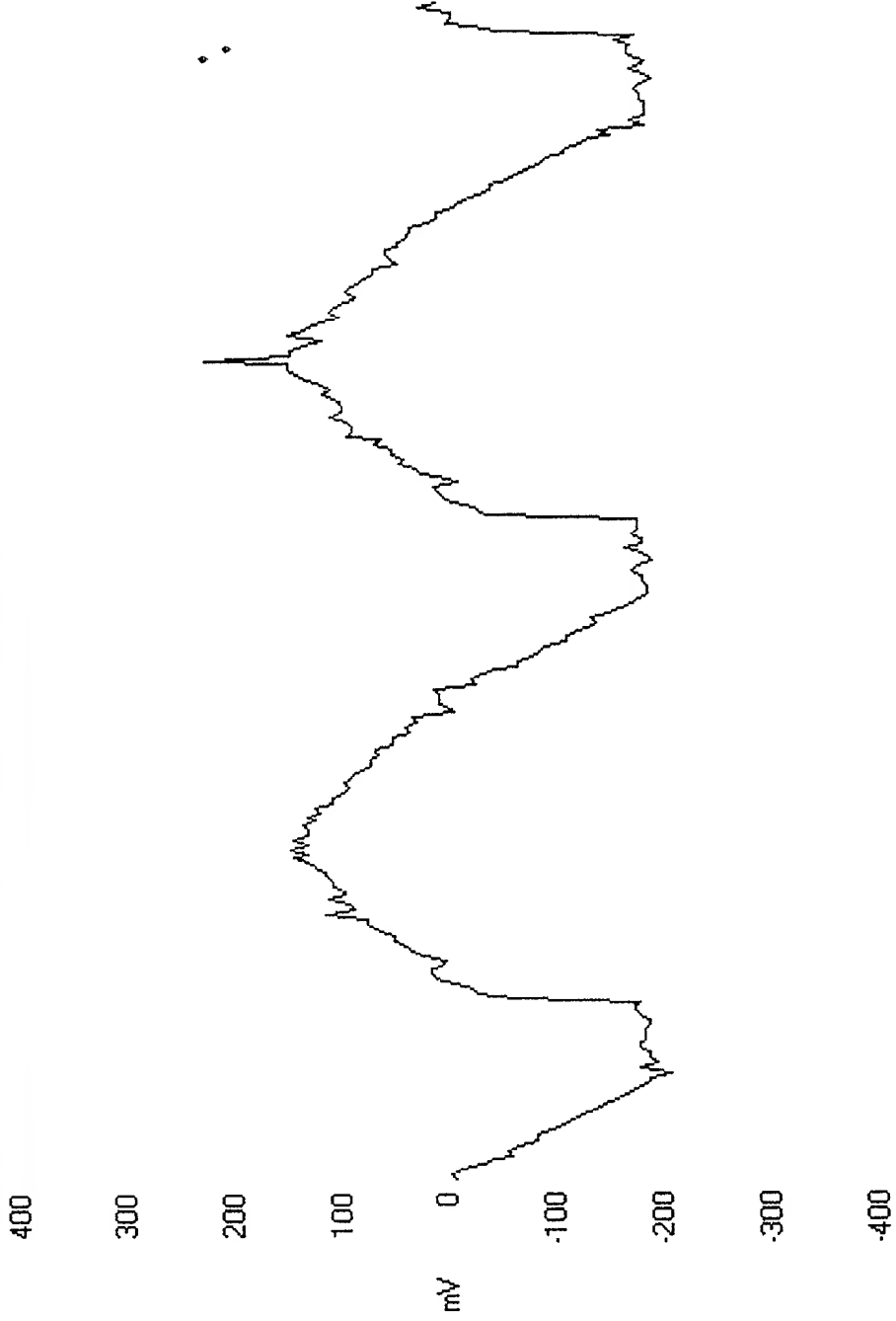


Fig. 11

Waveform

Datablock

Y Scale = 100 mV/Div
Y At 50% = 0 mV
X Scale = 2 ms/Div
X At 0% = 15.44 ms
X Size = 250 [512]
Maximum = 224 mV
Minimum = -208 mV



2 ms/Div

15 mT - 60 Hz input, 120 Hz output

15.44 ms

Output

Fig 12

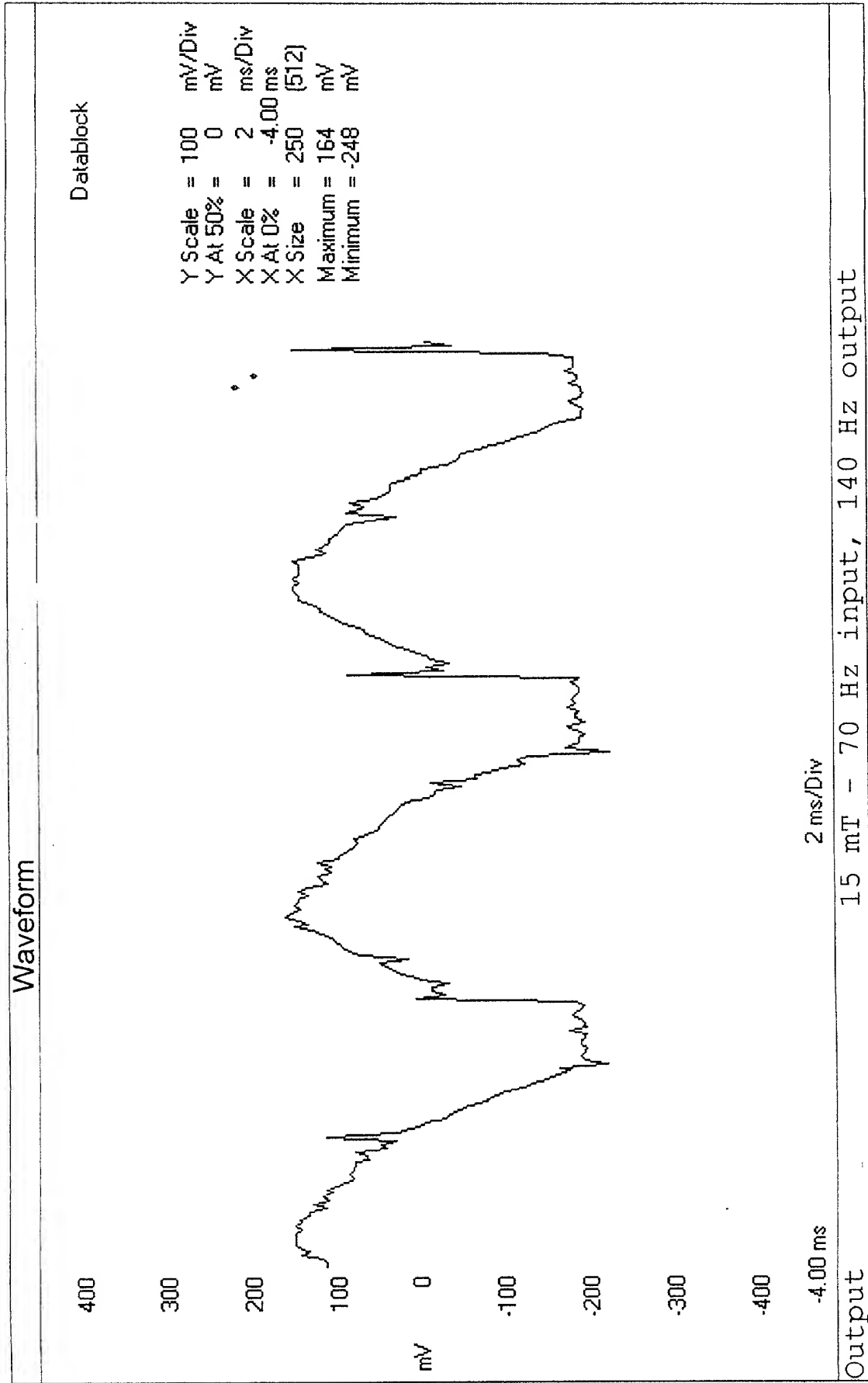


FIG. 13

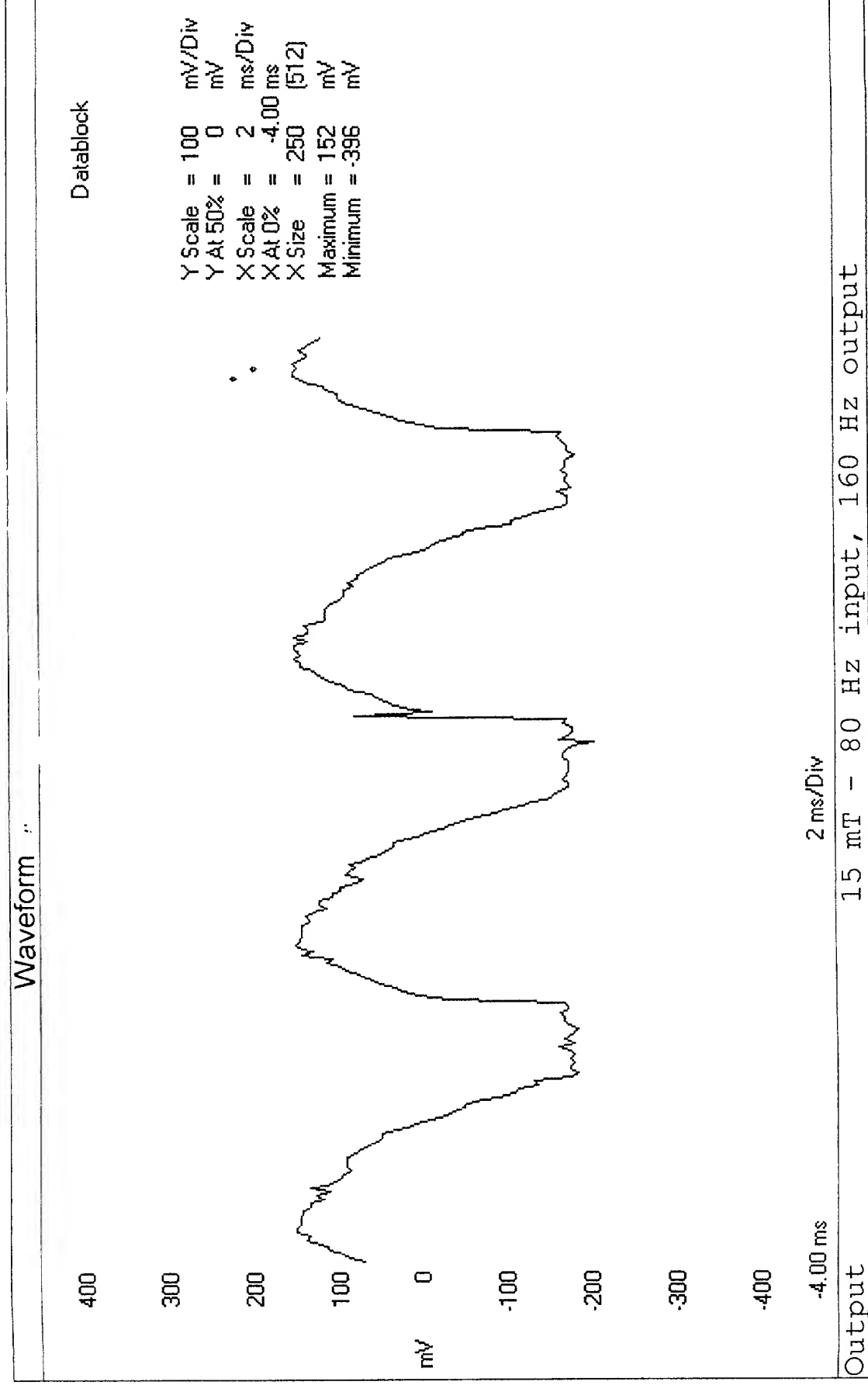
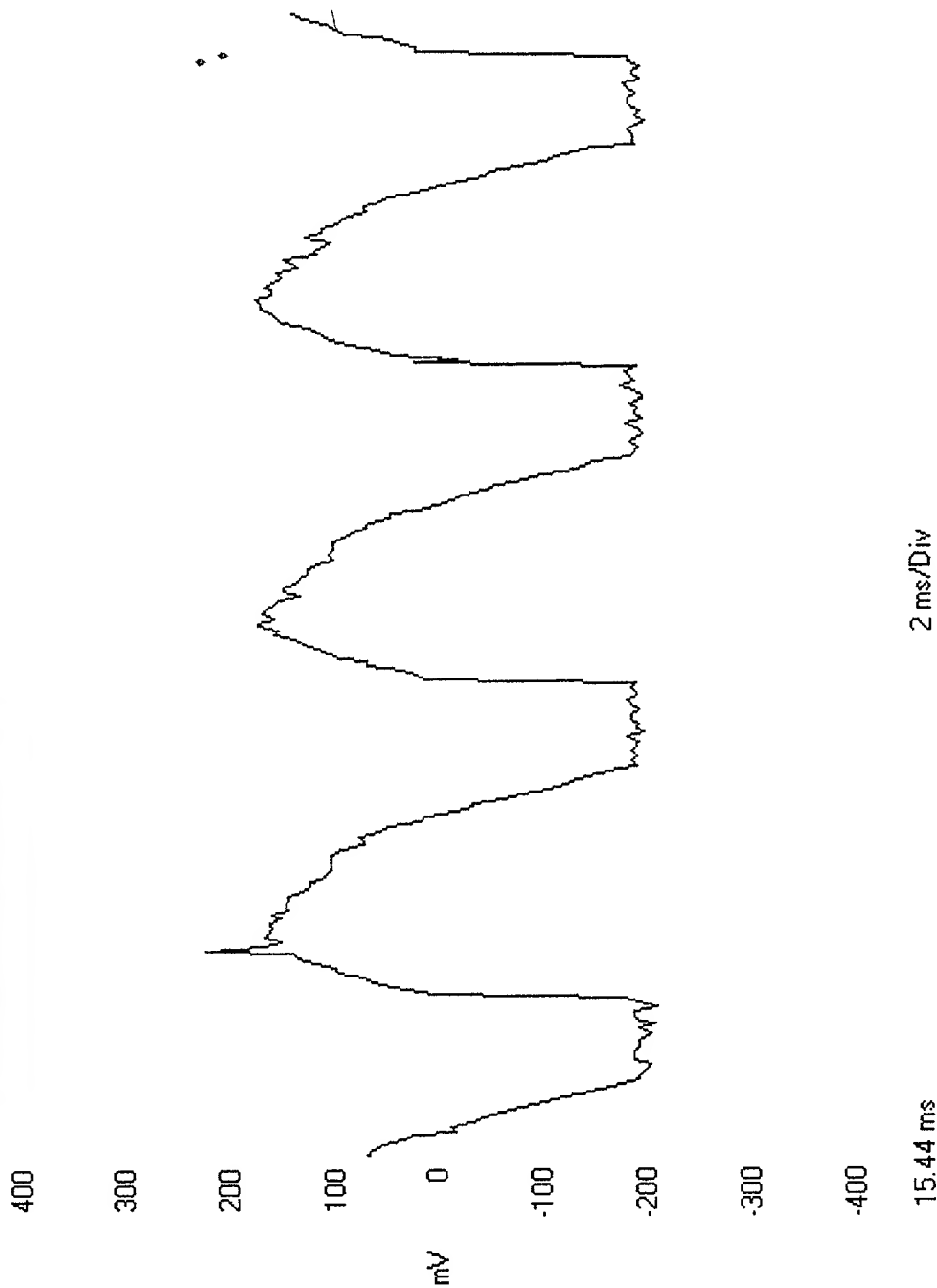


Fig. 14

Waveform:

Datablock

Y Scale = 100 mV/Div
Y At 50% = 0 mV
X Scale = 2 ms/Div
X At 0% = 15.44 ms
X Size = 250 [512]
Maximum = 224 mV
Minimum = -212 mV



Output . . . 15 mT - 90 Hz input, 180 Hz output

FIG. 15